

obtained by deacetylating chitin as the natural polymer contained in the carapace of the crab or lobster, Ag(sup +), Cu(sup 2+) and Zn(sup 2+) are traditionally known as the antibacterial metal ion of the bead, and the compound is practically used as an antibacterial plastic.

1/5/4

DIALOG(R) File 347:JAPIO

(c) 1998 JPO & JAPIO. All rts. reserv.

03439413

CONTACT LENS

PUB. NO.:

PUBLISHED: April 26, 1991 (19910426)

INVENTOR(s): KANBE SADA0

APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation)

, JP (Japan)

APPL. NO.: 01-241151 [JP 89241151]

FILED: September 18, 1989 (19890918)

INTL CLASS: [5] G02C-007/04

JAPIO CLASS: 29.2 (PRECISION INSTRUMENTS -- Optical Equipment); 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds);

28.2

(SANITATION -- Medical)

JOURNAL: Section: P, Section No. 1231, Vol. 15, No. 296, Pg. 49, July

26, 1991 (19910726)

ABSTRACT

PURPOSE: To prevent the propagation of bacteria and to improve wettability as well as to allow long-term use by forming a resin film containing a chitin derivative on at least the recessed surface side of a lens base body.

CONSTITUTION: The resin film 2 containing the chitin derivative is formed on a base body 1 for a concave lens. A base material having high oxygen transmittance is used for the base body 1 and a hydrophilic polymer used for the resin film 2 is preferable and is exemplified by, for example, polymers consisting of 2-hydroxyethyl methacrylate, N-vinyl pyrrolidone, N-dimethyl acrylamide, etc., as raw materials. The chitin derivative is exemplified by N-acetyl chitosan, N-acyl derivative, O-acyl derivative, etc. The long-term wearing is enabled by the base material having the

high
oxygen transmittance in this way and the antifungal property
and
wettability are improved by the chitin derivative

1/5/5

DIALOG(R) File 347:JAPIO

(c) 1998 JPO & JAPIO. All rts. reserv.

02967624

CLEANER FOR CONTACT LENS

PUB. NO.: 01-265224 [JP 1265224 A]

PUBLISHED: October 23, 1989 (19891023)

INVENTOR(s): SHIMAI YOSHIYUKI

TSUKUDA KOJI

SEINO HARUYOSHI

APPLICANT(s): PIAS ARISE KK [470558] (A Japanese Company or
Corporation),

JP (Japan)

APPL. NO.: 63-093774 [JP 8893774]

FILED: April 15, 1988 (19880415)

INTL CLASS: [4] G02C-013/00; C11D-003/386; C11D-017/00; G02C-007/04

JAPIO CLASS: 29.2 (PRECISION INSTRUMENTS -- Optical Equipment); 14.2
(ORGANIC CHEMISTRY -- High Polymer Molecular Compounds);

14.6

(ORGANIC CHEMISTRY -- Liquid Fuel, Oils & Fats)

JOURNAL: Section: P, Section No. 991, Vol. 14, No. 25, Pg. 75,
January

18, 1990 (19900118)

ABSTRACT

PURPOSE: To provide an exceptionally high effect of removing the
mold
sticking to a lens by incorporating specific enzyme into the cleaner.

CONSTITUTION: The mold and bacteria stick to the soft contact
lens
consisting of a synthetic resin and, therefore, at least one enzyme
among
chitinase, chitosanase or .beta.-1, 3-glucanase is incorporated into
the
cleaner for said lens. The chitin, chitosan or .beta.-1, 3-glucan
is
generally contained in the cell walls of the mold generated on the lens
and
is directly decomposed by any of the above-mentioned enzymes, by which
the
cell walls are separated and the mold sticking to the lens is
directly
removed. The effect of removing the mold is, therefore, high.

1/5/6

DIALOG(R) File 347:JAPIO

(c) 1998 JPO & JAPIO. All rts. reserv.